

Rabbit KCNJ10 Polyclonal Antibody | anti-KCNJ10 antibody

KCNJ10 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289642	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	ELISA, Western Blot

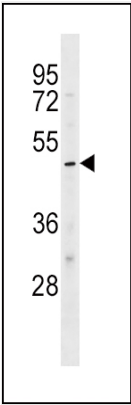
PRODUCT SYNONYMS

KCNJ10; Polyclonal Antibody; KCNJ10 Antibody (Center); ATP-sensitive inward rectifier potassium channel 10; ATP-dependent inwardly rectifying potassium channel Kir41; Inward rectifier K(+) channel Kir12; Potassium channel; inwardly rectifying subfamily J member 10; anti-KCNJ10 antibody

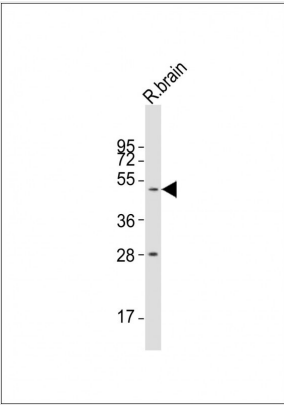
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This KCNJ10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 203-230 amino acids from the Central region of human KCNJ10.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	203-230
Sequence Length	379
Applicable Applications for anti-KCNJ10 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
KCNJ10 Antibody (Center) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the KCNJ10 antibody detected the KCNJ10 protein (arrow).



WB (Western Blot)
Anti-KCNJ10 Antibody (Center)at 1:2000 dilution + rat brain lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 43 kDaBlocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-KCNJ10 antibody	This gene encodes a member of the inward rectifier-type potassium channel family, characterized by having a greater tendency to allow potassium to flow into, rather than out of, a cell. The encoded protein may form a heterodimer with another potassium channel protein and may be responsible for the potassium buffering action of glial cells in the brain. Mutations in this gene have been associated with seizure susceptibility of common idiopathic generalized epilepsy syndromes.
Product Categories/Family for anti-KCNJ10 antibody	Neuroscience
References	Jonard, L., et al. Int. J. Pediatr. Otorhinolaryngol. 74(9):1049-1053(2010) Reichold, M., et al. Proc. Natl. Acad. Sci. U.S.A. 107(32):14490-14495(2010) Heuser, K., et al. Epilepsy Res. 88(1):55-64(2010) Pawelczyk, M., et al. Ann. Hum. Genet. 73 (PT 4), 411-421 (2009) : Yang, T., et al. Am. J. Hum. Genet. 84(5):651-657(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	25121966
NCBI GeneID	3766
NCBI Accession #	NP_002232.2
NCBI GenBank Nucleotide #	NM_002241.4
UniProt Accession #	P78508; Q5VUT9; Q8N4I7; Q92808; A3KME7
Molecular Weight	42508
NCBI Official Full Name	ATP-sensitive inward rectifier potassium channel 10
NCBI Official Synonym Full Names	potassium channel, inwardly rectifying subfamily J, member 10
NCBI Official Symbol	KCNJ10
NCBI Official Synonym Symbols	KIR1.2; KIR4.1; SESAME; BIRK-10; KCNJ13-PEN
NCBI Protein Information	ATP-sensitive inward rectifier potassium channel 10
UniProt Protein Name	ATP-sensitive inward rectifier potassium channel 10

UniProt Gene Name	KCNJ10
UniProt Entry Name	KCJ10_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/kcnj10-antibody-western-blot-elisa/289642>